



Weather Briefing for Southeast Texas

October 24th, 2015

Dangerous Flash Flood Event
Saturday through Sunday





Overview

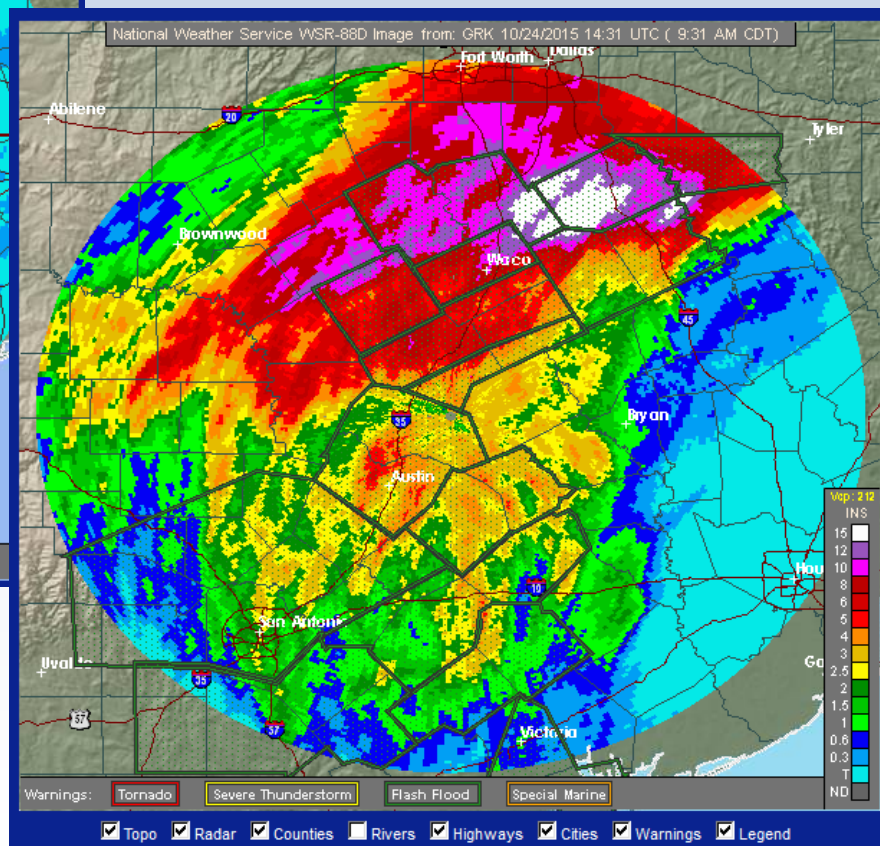
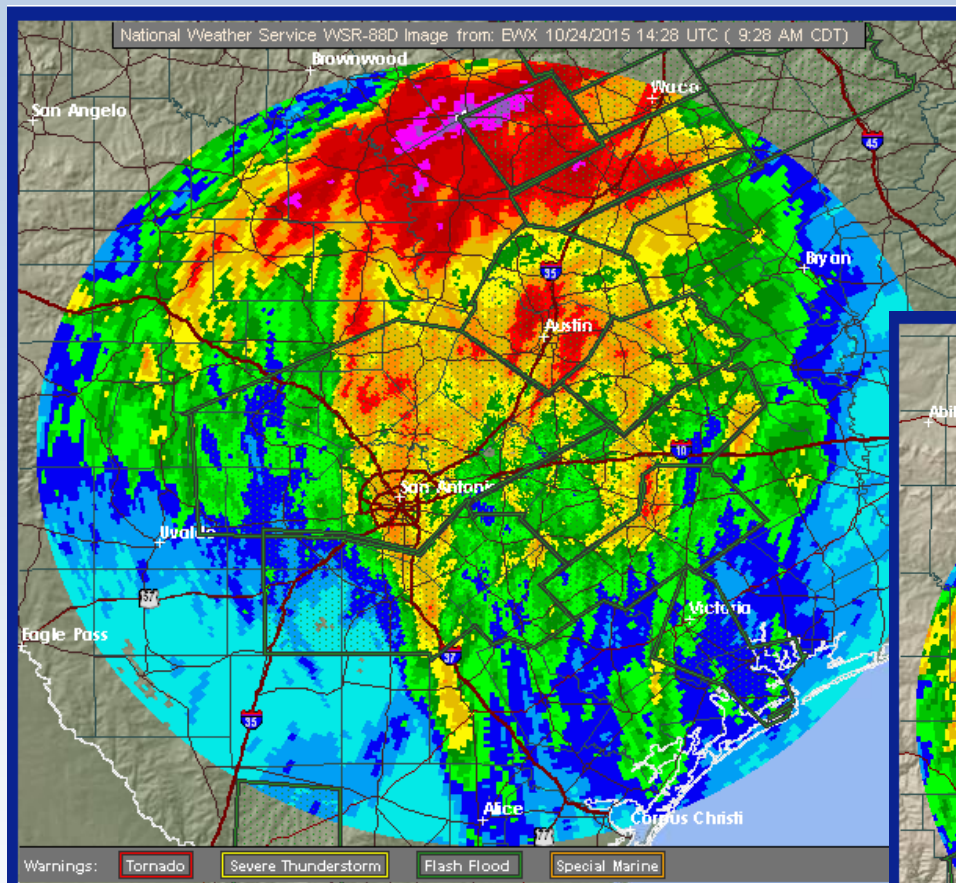
- ☐ Ongoing: record deep moisture in place, elevated seas, rip currents, high surf, wave run-up....**becoming more significant later today through Sunday.**
- ☐ Increasing precipitation coverage this afternoon...intensity increases w/ time as well.
- ☐ Coastal low develops along coastal bend and moves toward SE Texas tonight.
- ☐ Threat of significant rainfall later this afternoon into Sunday afternoon morning until the low moves far enough east to reduce rain rates.
 - *Eventual track of low will determine highest rainfall totals...currently favoring areas south of Columbus-Cleveland line. Inherent uncertainty in track – could fluctuate north or south!*
- ☐ Lower reaches of rivers toward the coast may see rises due to above normal tides
- ☐ Additional rainfall on the rivers could exacerbate any flooding problems
- ☐ Mainstem river flooding possible may ramp up Sunday Night/Monday
- ☐ Gusty winds tonight & Sunday, some 30mph+, could cause isolated power outages.





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Rainfall so far to our west & north



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Heavy Rain Timing: Today through Sunday

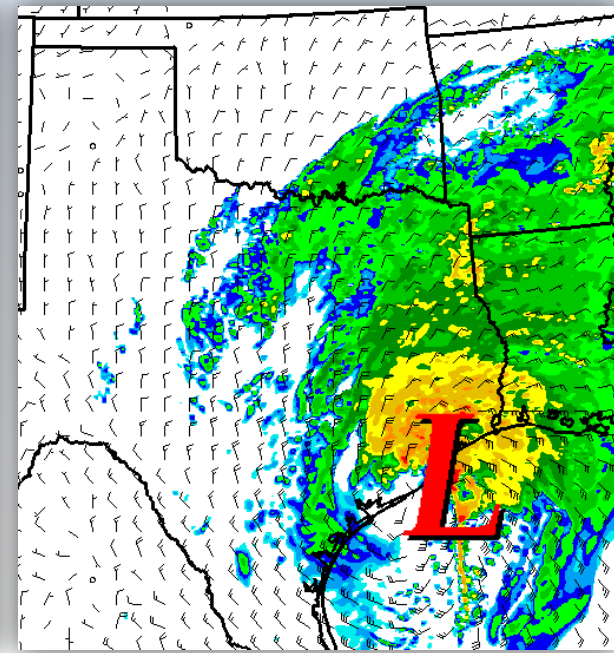
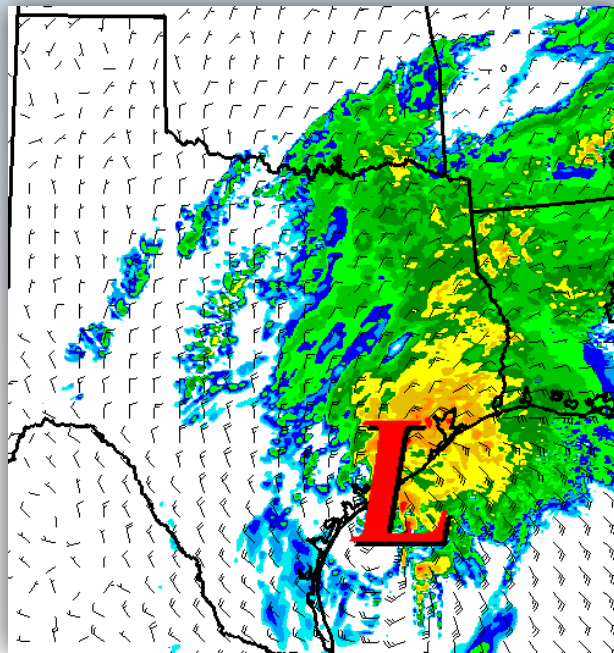
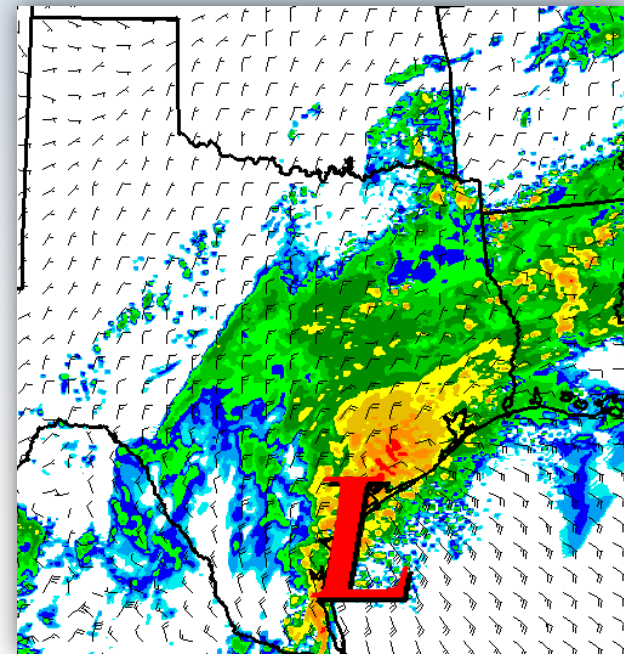
Thunderstorms will develop across the area today and persist into Sunday as a storm system moves across the region. Shown is one model's guess at what the radar will look like during that time. This is not a guarantee of what will happen.

Most likely times for heavy rain & flooding are shown below.

Later Today

Overnight

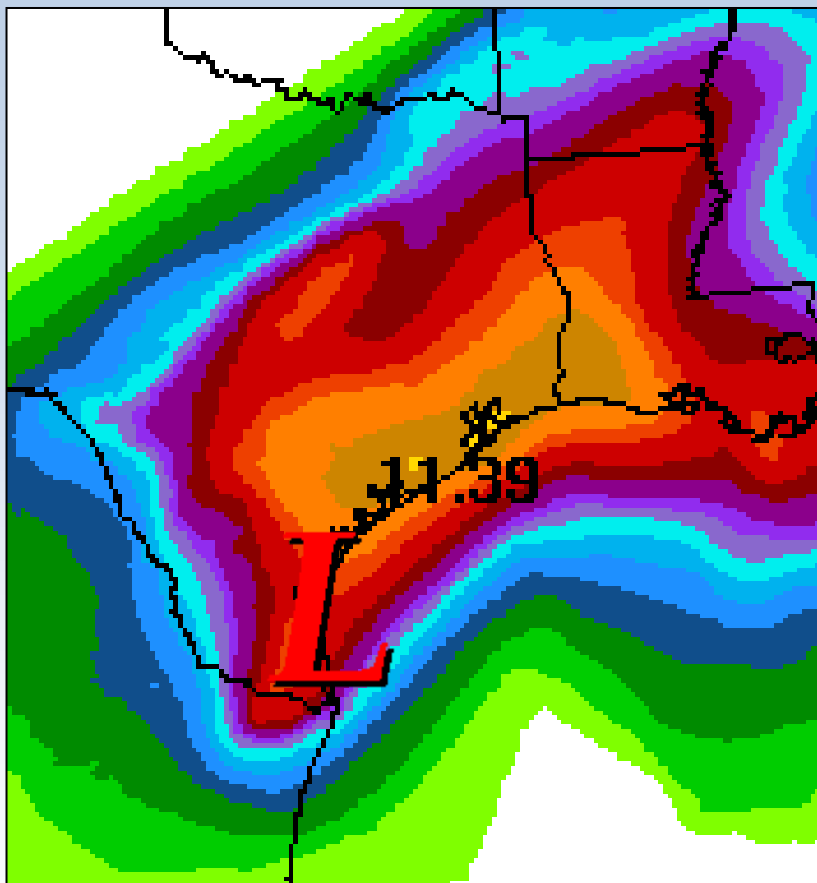
Sunday



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Flash Flood Watch in effect



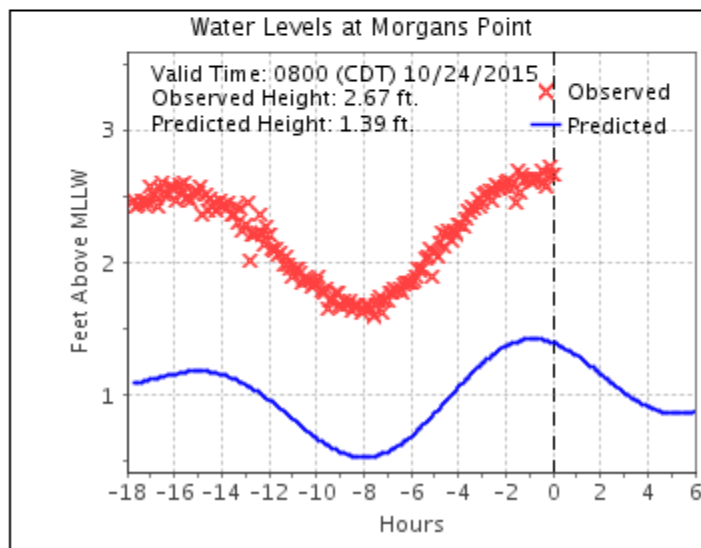
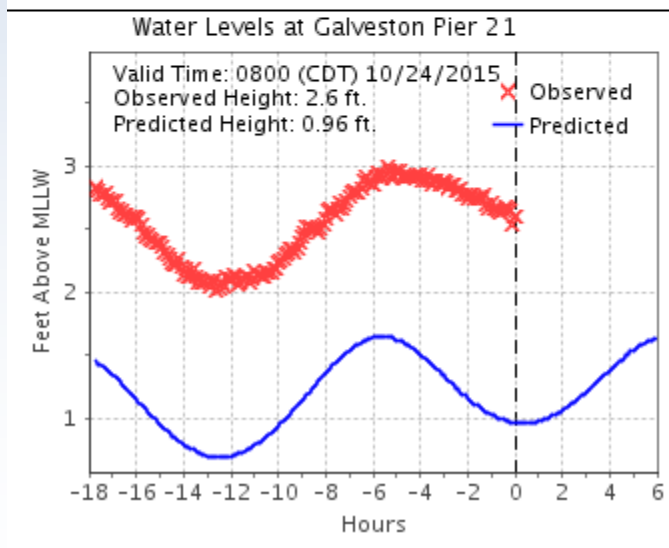
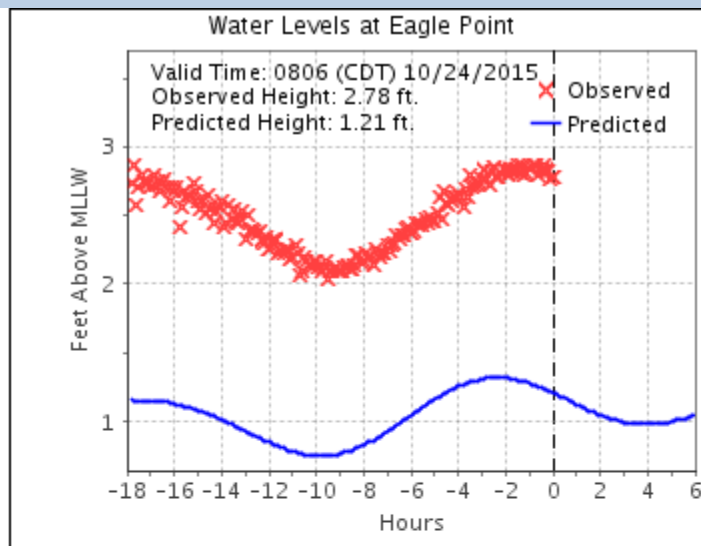
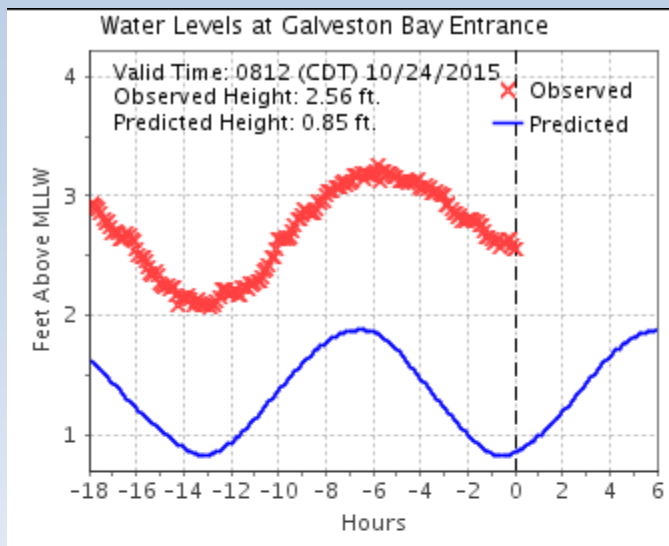
Current thinking:

- ☐ North of Columbus-Cleveland line look for widespread **4-6 inch** amounts.
- ☐ Areas south **6 to 12 inch** amounts!
- ☐ **Localized higher amounts.**
- ☐ 3" to 4"/Hour rates likely. Very quickly overcoming street drainage leading to dangerous street flooding.
- ☐ Windy tonight – especially coast. Winds just above surface increase to 25-45mph inland & 35-50 mph coast. A portion of these winds may mix to the surface at times. Power issues?
- ☐ Isolated tornado threat.





Elevated Tides & Coastal Flooding





Elevated Tides & Coastal Flooding

...Coastal Warning in Effect...

Tide levels rising to 4.0 to 5.0 feet MLLW tonight & Sun.

Coastal flooding likely to develop this evening with little change through Sunday afternoon

High Tides Sat/Sun

- Manchester Sat 7:46 pm
- Lynchburg Sun 8:02 am/8:52 pm
- Galveston Entrance Sat 2:20 pm
Sun 2:07 am/3:34 pm
- Clear Lake Sat 8:28 pm
Sun 8:38 am/9:44 pm
- Freeport Sat 1:33 pm
Sun 2:01 am/2:44 pm
- Port O'Connor Sat 2:52 pm
Sun 3:25 am/6:51 pm

Areas Impacted:

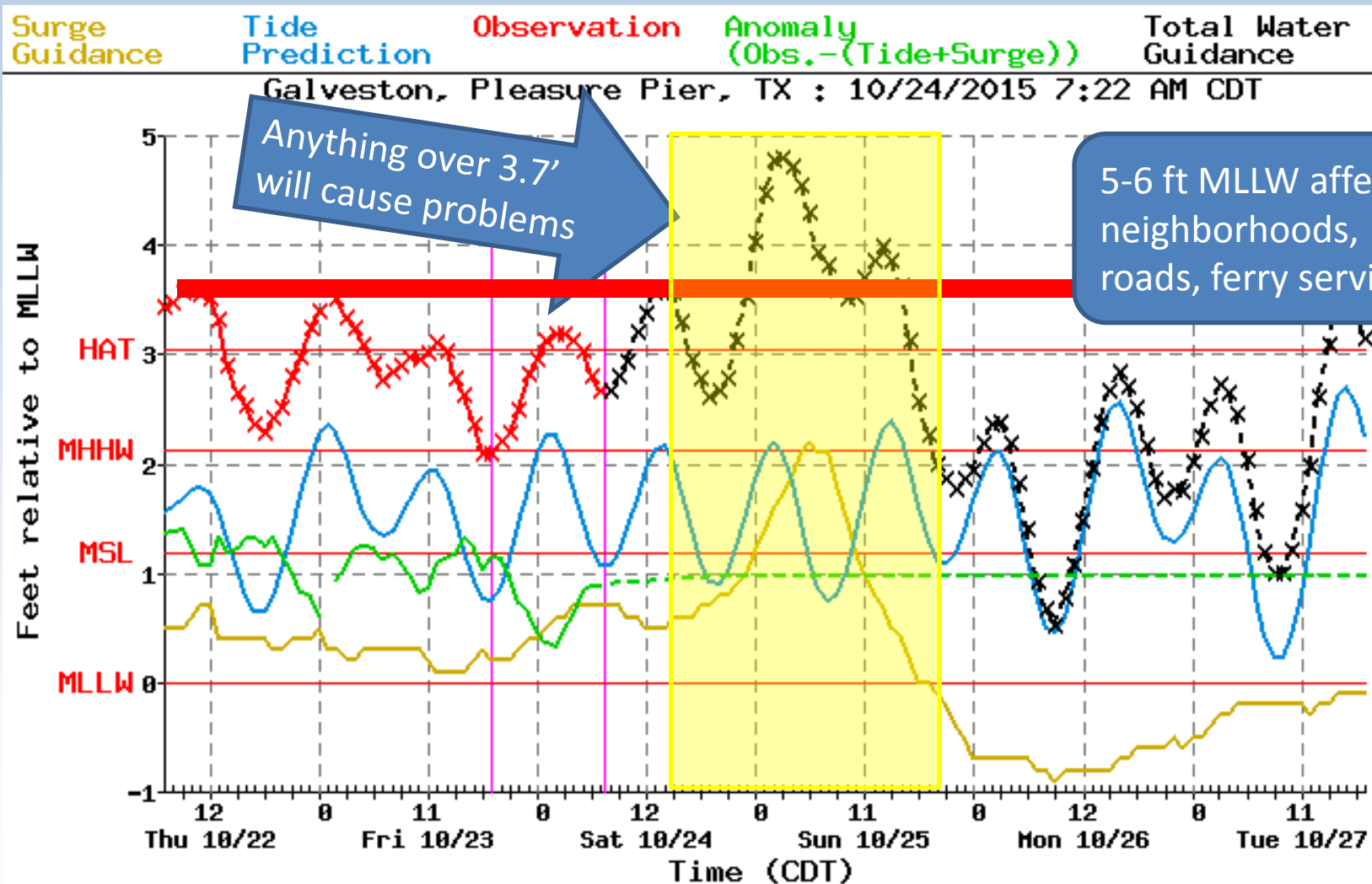
- Highway 87 at Highway 124 (Bolivar Peninsula)
- Blue Water Highway (Brazoria, Matagorda Co)
- Beach Drive (Surfside)
- Lynchburg Ferry Landing
- Parts of Toddville Rd (Seabrook)





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Predicted Tide Levels (mid evening-late aftn Sun)



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Elevated Tides & Coastal Flooding

Use w/ extreme caution!! Cannot guarantee accuracy!

LOCATION	3.5 FEET	3.7 FEET	4.0 FEET	4.5 FEET	5.0 FEET	5.5 FEET	6.0 FEET	6.5 FEET
Galveston and Bolivar Peninsula	Overwash of Highway 87 near Gilcrest & Crystal Beach.	Overwash of Highway 87 near Gilcrest & Crystal Beach. Coastal Flood Warning considered.	West streets begin flooding especially on the West End of Galveston. Portions of Highway 6 between I-45 and Hitchcock begin to flood.	Parts of Highway 187 become impassable		Ferry service to and from Bolivar Peninsula ceases.		
Kemah/Sea Brook/ Clear Lake/ Texas City			Toddville Road begins flooding. Lower portions of Red Bluff Road between Bay Area Blvd and TX-146 begin flooding	Parts of Toddville Road closed	Water a couple feet deep and into some ground level structures along Toddville Road.			
Chambers County			West Bayshore Rd between Anahuac and Oak Island begins to flood. Highway 124 between High Island and FM-1985 begins to flood.	FM-562 northeast of Smith Point begins flooding.				FM-1985 between FM-562 and Highway 124 begins flooding.
Surfside	At 3.5 feet, with wave periods of greater than 10 seconds, expect wave runoff to flood beaches and overtop dunes and road embankment flooding over the Blue Water Highway.	Water on Beach Drive and near Blue Water Highway.			Water approaches dunes. Portions of FM-523 between Highway 332 and FM-2004 begin to flood. FM-2918 near the mouth of the San Bernard River begins to flood.	Streets near the beach begin to flood. Lowest lying portions of Highway 288 near Freeport begin to flood. FM-2918 near the mouth of the San Bernard River begins to flood.	San Luis Pass bridge may close depending on Highway 257 road conditions in Brazoria County.	
Jamaica Beach (Bayside)			Lowest streets begin flooding	Flooding moves farther inland	Flooding moves farther inland	Half of the village becomes inundated		3 to 4 feet of water on streets and into homes
Matagorda area						Water on FM-2031	Bridge is closed	
Sargent							Bridge is closed	



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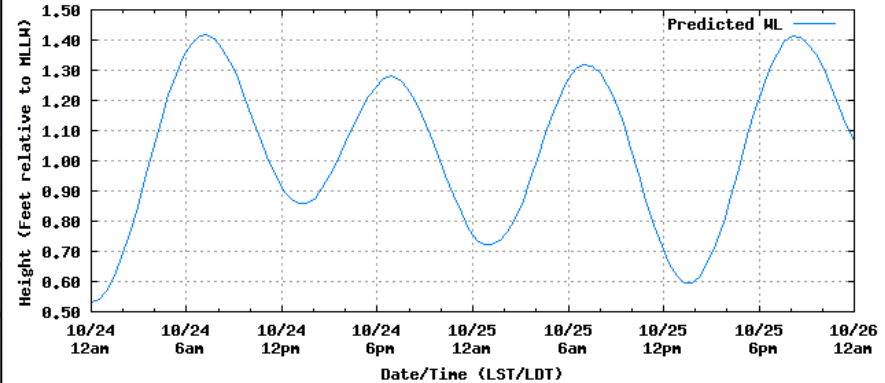


❑ A Gale Warning in effect tonight

- Onset of gale force gusts this evening Matagorda Bay, toward midnight Galveston Bay
- Seas 4-7 feet at 930am increasing to 10-15 overnight.

- Observed water levels may reach 5 feet above MLLW.

2015/10/24 - 2015/10/25





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